

RSA



ISF

INFORMATION SECURITY FORUM
FOR TEXAS GOVERNMENT

Managing Digital RISK

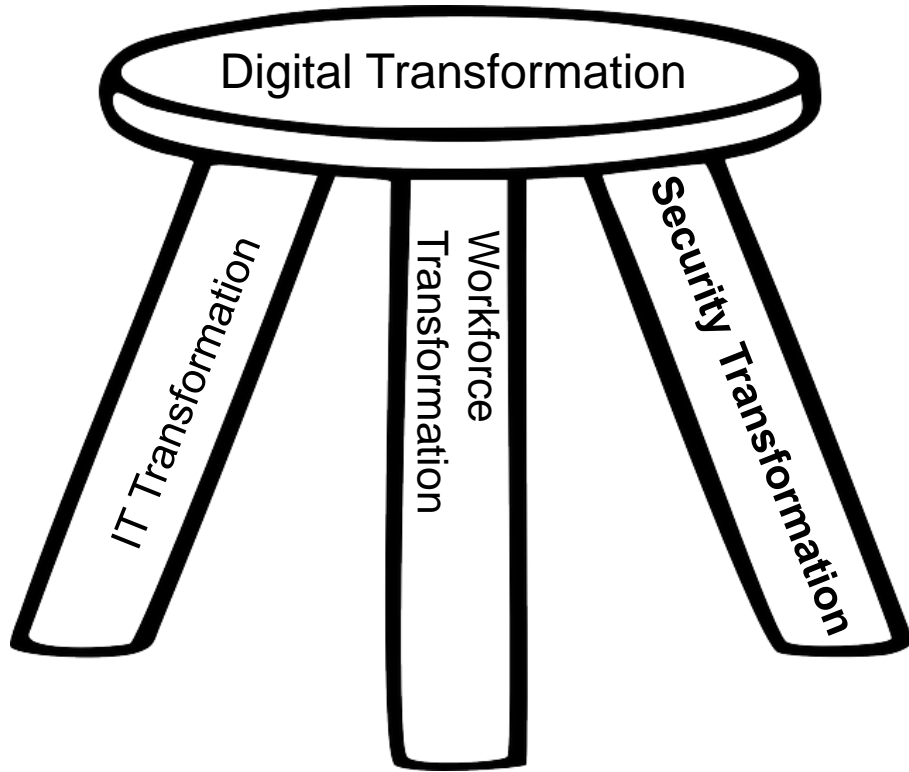
**Digital Transformation
Security Transformation
Managing Digital Risk**

**Tim Shea
April 23rd, 2019**



RSA: TRUST IS THE KEY TO ACCELERATING ADOPTION OF THE DIGITAL REALITY

- Engender trust worthiness into the digital world
 - Better visibility into our digital environments
 - Insights into what is actually happening
 - Guidance on how to act on those insights



Digital Transformation: integration of digital technology into all areas of a business resulting in fundamental changes to how businesses operate and how they deliver value to customers

DIGITAL RISK SOLUTIONS

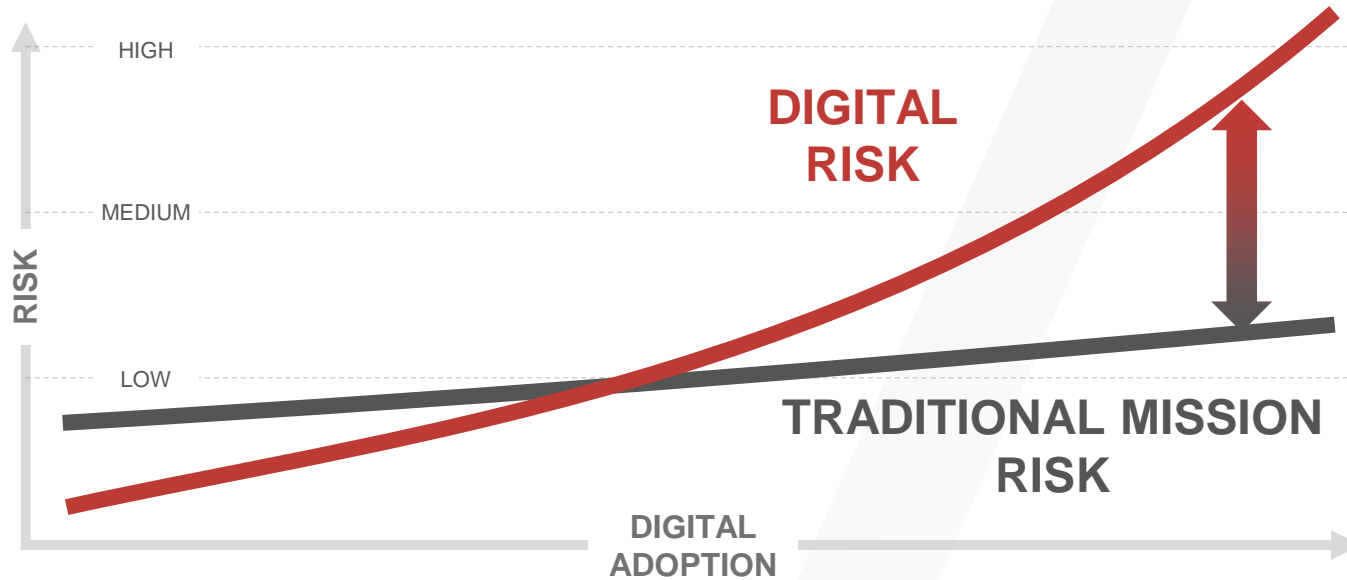
The risk associated with the use of emerging or disruptive technology in transforming traditional business processes, products, and business models and the ongoing risk until the transformed business operations are fully absorbed into the organization.

- 1 The risk associated with the use of emerging or disruptive technology**
- 2 Transforming traditional business processes, products, and business models**
- 3 Ongoing risk until... fully absorbed into the organization.**



DIGITAL RISK

is the greatest facet of risk
that our missions face...



DIGITAL: THE FIFTH UTILITY



WATER



ELECTRICITY



GAS

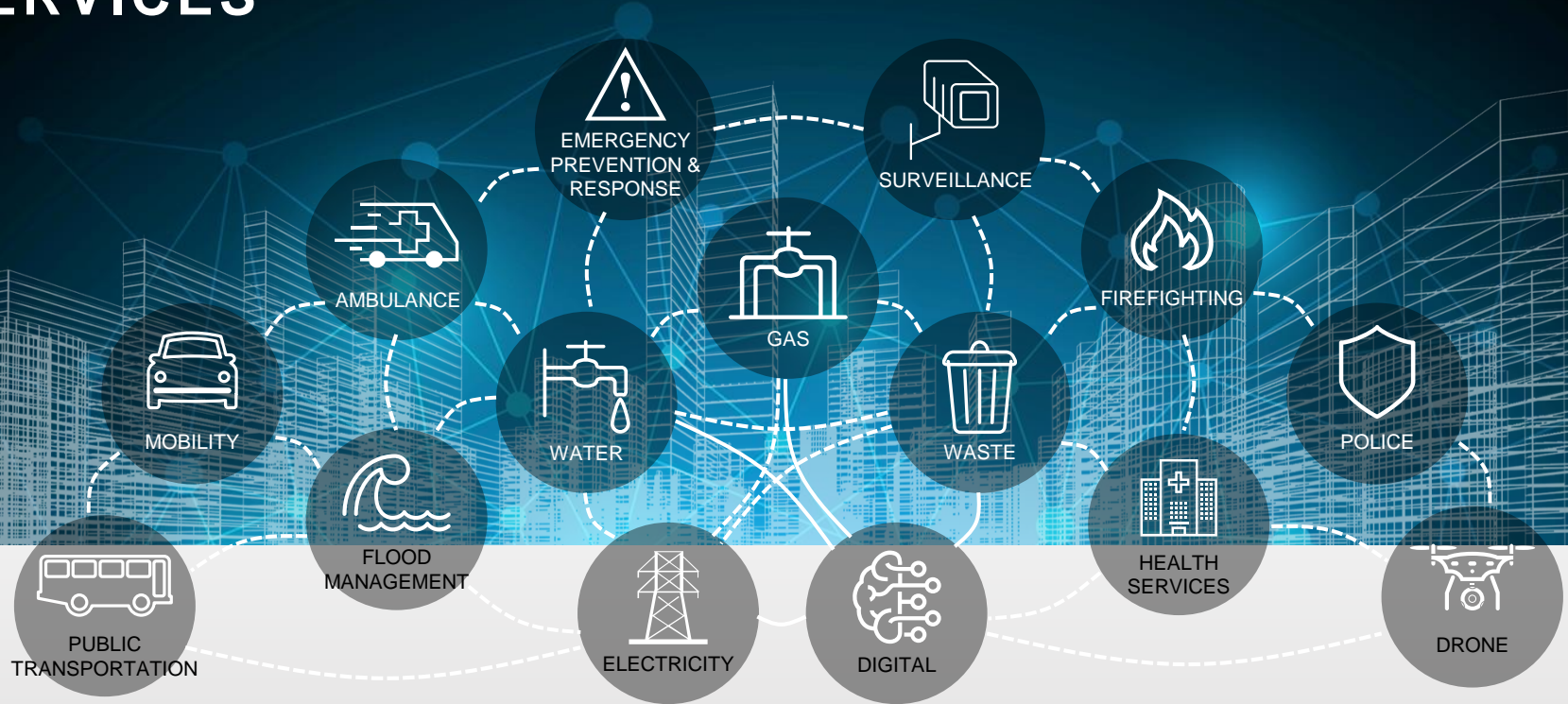


WASTE



DIGITAL

CONNECTING CITIZENS AND ALL GOVERNMENT SERVICES



Transformed Security

Identify



Risk-driven



Protect



Designed-in



Detect



Proactive



Respond



Cohesive

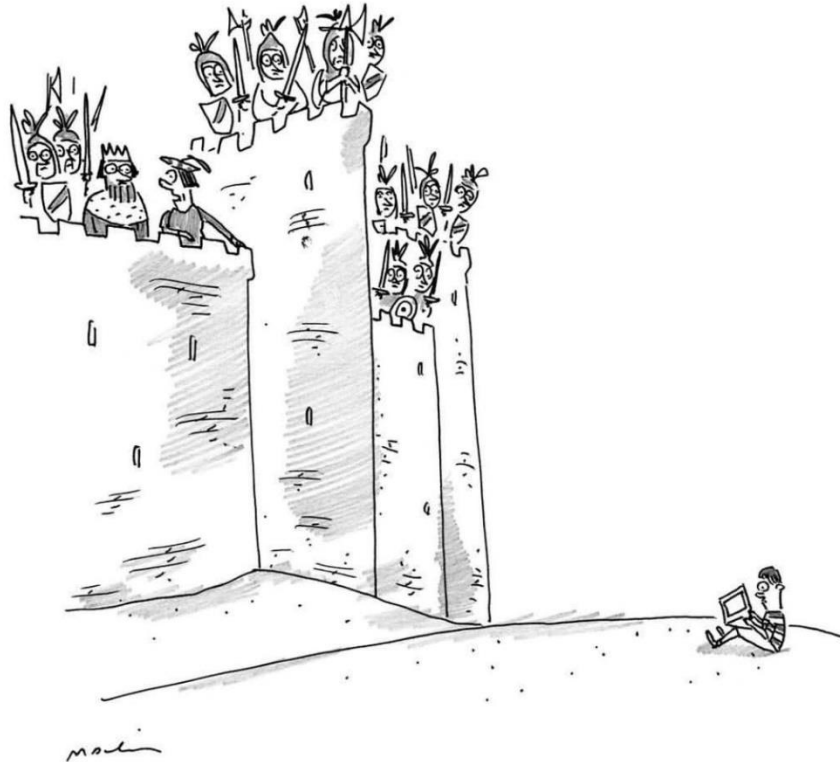


Recover



Planned





*“Bad news, Your Majesty—it’s
a cyberattack.”*

Transformed Security

Identify



Risk-driven



Protect



Designed-in



Detect



Proactive



Respond



Cohesive




Recover



Planned





**IN CASE OF
CYBERATTACK**

**BREAK GLASS
AND PULL CABLES**

Transformed Security

Risk Based Methodology for Managing Digital Risk

Identify



Risk-driven



Protect



Designed-in



Detect



Proactive



Respond



Cohesive



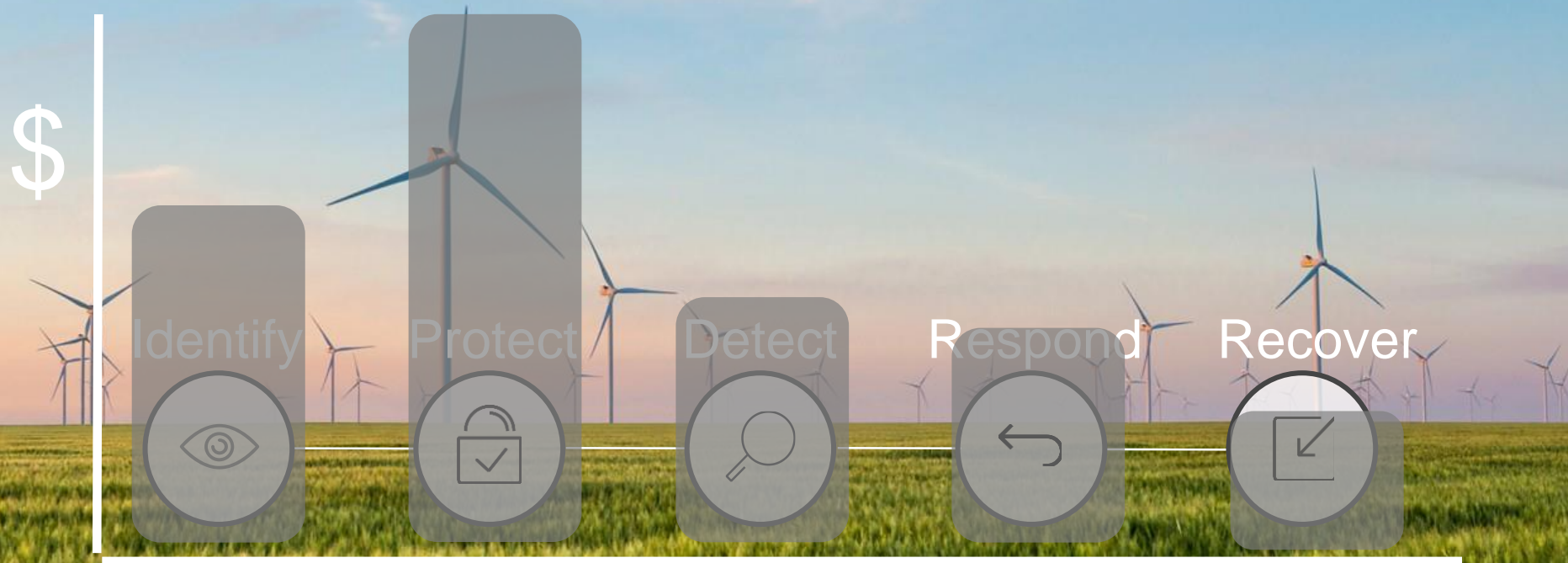
Recover



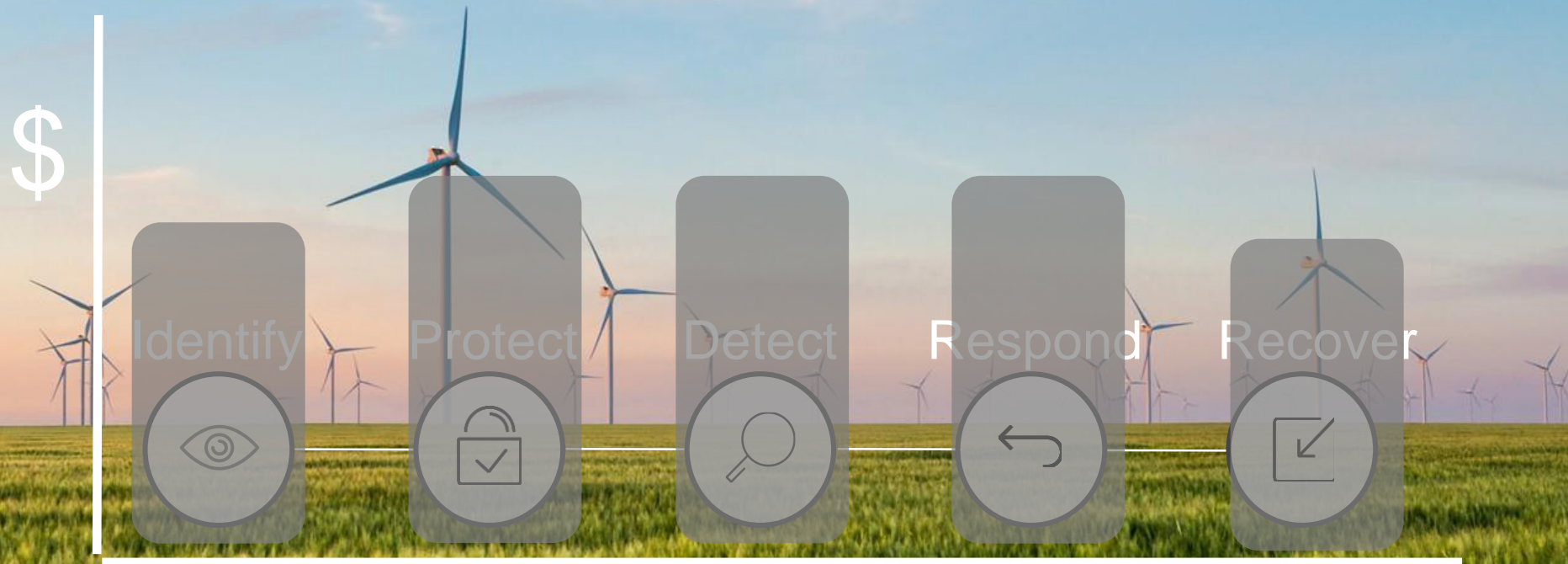
Planned



Transformed Security: shifting investment distribution



Transformed Security: shifting investment distribution





DIGITAL OPPORTUNITY

Modernization



DIGITAL REALITY

Malice



DIGITAL REGULATIONS

Mandates

Texas

TOTAL CYBERSECURITY JOB OPENINGS ⓘ

1,064

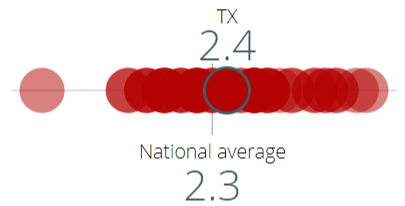
TOTAL EMPLOYED CYBERSECURITY WORKFORCE ⓘ

2,582

SUPPLY OF CYBERSECURITY WORKERS ⓘ

Very Low

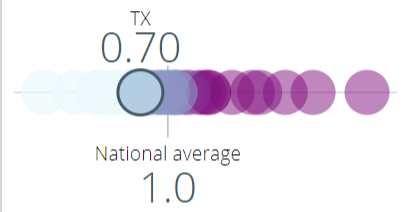
CYBERSECURITY WORKFORCE SUPPLY/DEMAND RATIO



GEOGRAPHIC CONCENTRATION ⓘ

Low

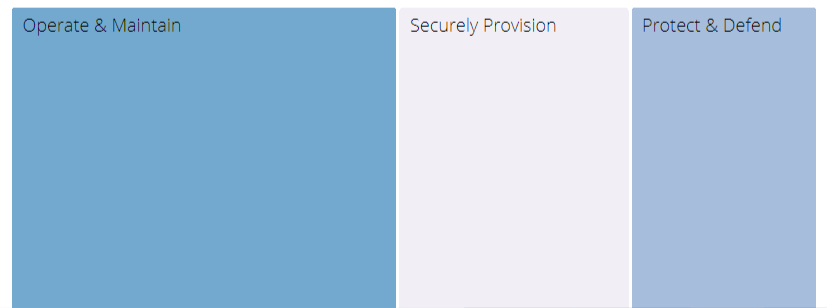
LOCATION QUOTIENT



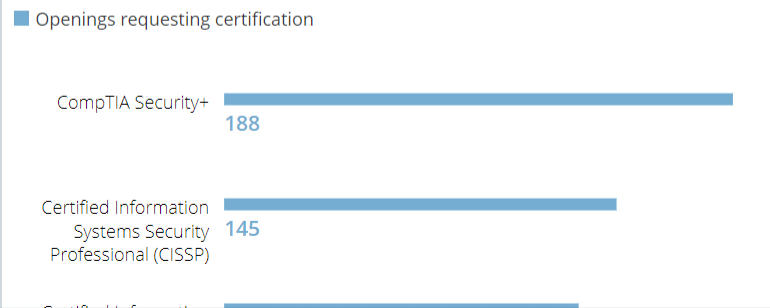
TOP CYBERSECURITY JOB TITLES ⓘ

- IT Specialist / Engineer
- Cyber Security Specialist / Technician
- Cyber Security Engineer
- Cyber Security Analyst
- Network Analyst / Specialist
- Cyber Security Consultant
- Cyber Security Manager / Administrator
- Network Engineer / Architect
- Systems Engineer

JOB OPENINGS BY NICE CYBERSECURITY WORKFORCE FRAMEWORK CATEGORY ⓘ



OPENINGS REQUESTING CERTIFICATION ⓘ



CYBER RISK NOW GOVERNED AT THE LEADERSHIP LEVEL

SECURITY IS A
**MISSION
PROBLEM**



- Attacks are **more sophisticated**
- Perimeter has **disappeared**
- Complexity has **become the enemy**
- Lack of ROI for **defense**
- Leadership **inspection**

RISK

Risk

Loss
Frequency

Loss
Magnitude

Threat Event
Frequency

Vulnerability
Level

Primary
Loss

Secondary
Loss



Board / C Suite
& Technology

Silos of capabilities
Point solutions
Alerts!
Lack of skilled workforce



Silos of capabilities
Point solutions
Alerts!
“But I’m not a security guy”

LEADERSHIP WANTS TO KNOW...

Leadership



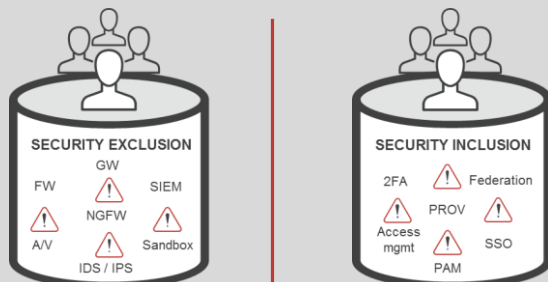
IT

Operate
and
innovate

- Vulnerabilities and prioritization
 - Data and applications
 - Infrastructure
- 3rd-party exposures
- IT service disruption



Security

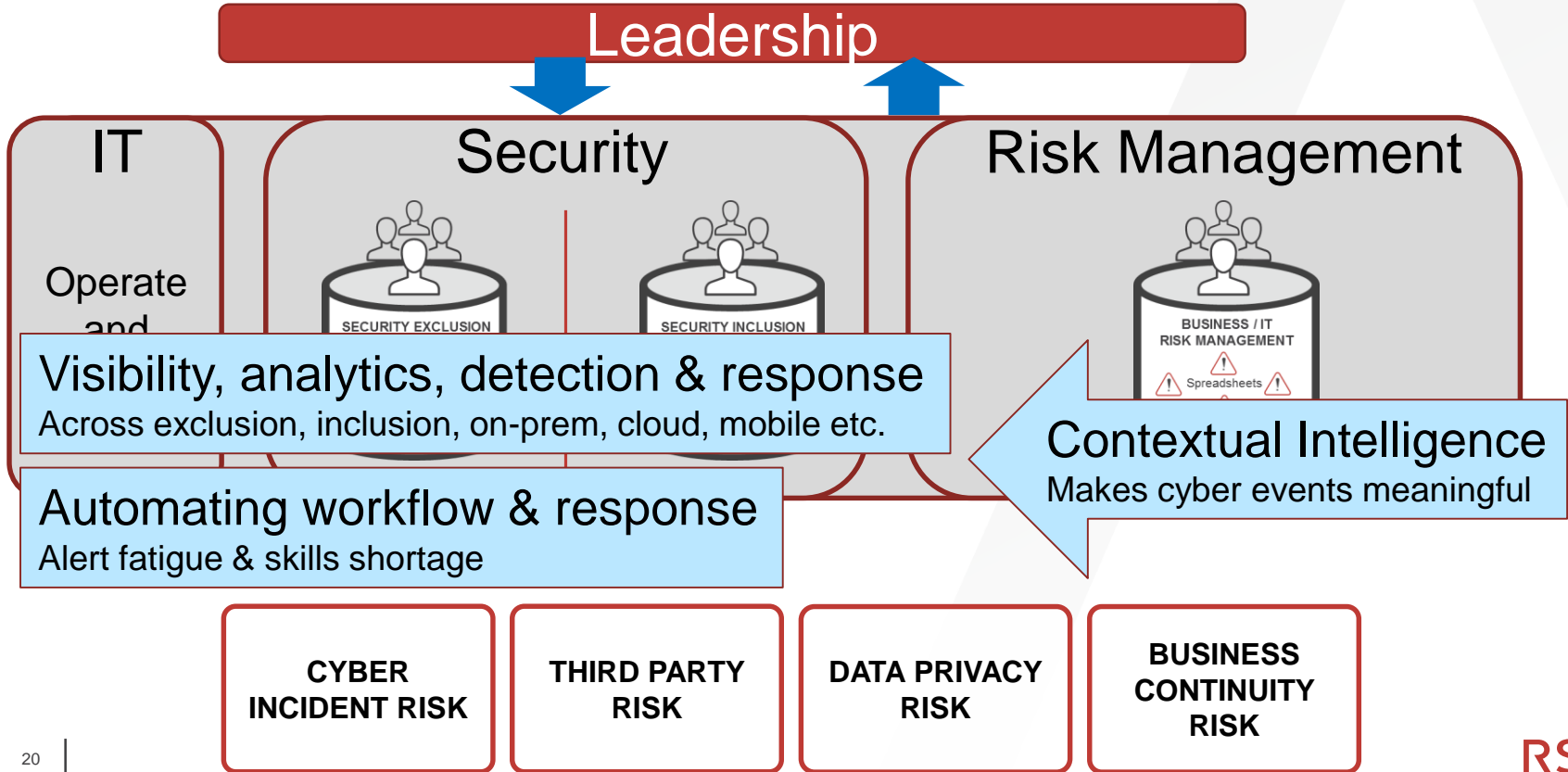


Risk Management



- Effective risk management
- Risk tolerance
- High priority assets
- Worst case scenarios

CAPABILITIES REQUIRED TO MANAGE DIGITAL RISK



RSA SECURITY SOLUTIONS FOR GOVERNMENT

RSA NETWITNESSSM SUITE

Unified Security Analytics

SECURITY ANALYTICS FOR:

- LOGS
- PACKETS
- ENDPOINT
- SECOPS MANAGER



RSA SECURIDSM SUITE

Secure Access, No Boundaries

- ACCESS MANAGEMENT
- IDENTITY
- GOVERNANCE & LIFECYCLE



RSA FRAUD & RISK INTELLIGENCE SUITE

Centralized, Omni-Channel Fraud

- WEB THREAT DETECTION
- ADAPTIVE AUTHENTICATION /eCOMMERCE
- FRAUD ACTION



RSA ARCHERSM SUITE

Proven Business Risk Management

- IT SECURITY & RISK MANAGEMENT
- ENT & OPERATIONAL RISK MANAGEMENT
- 3RD PARTY GOVERNANCE
- BUSINESS RESILIENCY
- PUBLIC SECTOR
- AUDIT MANAGEMENT
- REG & CORP COMPLIANCE



RSA RISK & CYBERSECURITY PRACTICE

Advancing your Risk and Security Maturity

- ADVANCED RISK AND CYBERSECURITY CONSULTING SERVICES
- INCIDENT RESPONSE
- DESIGN AND IMPLEMENTATION
- CUSTOMER SUPPORT
- EDUCATION SERVICES



RSA: TRUST IS THE KEY TO ACCELERATING ADOPTION OF THE DIGITAL REALITY

- Engender trust worthiness into the digital world
 - Better visibility into our digital environments
 - Insights into what is actually happening
 - Guidance on how to act on those insights



THANK YOU!

STATE OF TEXAS - DIR

Customer – State and Local Governments



“As other people in our department learn about the Archer tool and its ease of use and flexibility, they are asking us to undertake other use cases. It’s been extremely successful.”

**- Nancy Rainosek, Chief Information Security Officer,
Texas Department of Information Resources**

Issue

- Compliance
- Automation & Reporting
- Governance

Solution

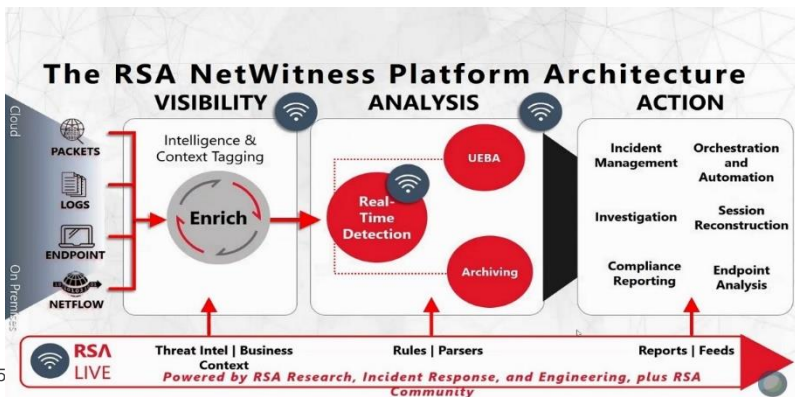
- RSA Archer Suite

Outcome

- Optimizing incident response
- Improving our risk assessments
- Enhancing our framework for security planning and maturity level reporting

STATE OF TEXAS – HEALTH AND HUMAN SERVICES

Customer – State and Local Governments



Issue

- Web threats
- Multi-Cloud Visibility
- Compliance

Solution

- RSA NetWitness Suite

Outcome

- Full visibility of customer transactions, with rules for cross-checking unusual activity.
- Clear accountability to frontline management concerning risks and controls.
- Accelerated and accurate reporting to executives and regulators.

LOS ANGELES WORLD AIRPORTS

Customer – Owner and Manager of LAX and Van Nuys Airports



“We need to make sure that our security posture consistently mirrors the needs of the organization...”

RSA understands the importance of this connection and provides us with the solutions that ensure that our security strategy is always driven by our business objectives.”

- Anson Fong, CISO

Issue

- Disparate threat intelligence, IT, Risk data

Solution

- RSA NetWitness Suite
- RSA Archer Suite
- Bring immediate context to security events from a single dashboard

Outcome

Improved quality and speed for incident response and recovery

INFOSYS

Customer – International IT Firm



“My goal is to leverage automation as much as possible, while at the same time, to push both visibility and accountability throughout the organization.”

“RSA is one of the key partners I use to ensure that my organization accurately supports the company’s business goals.”

- Vishal Salvi, CISO and SVP

Issue

- Secure Access for 200,000 employees
- Nearly 100 log-types used for several different purposes
- Complex, multinational compliance requirements

Solution

- RSA SecurID Suite
- RSA NetWitness Suite
- RSA Archer Suite

Outcome

Greater impact and effectiveness of security and compliance operations

ME BANK

Customer – Internet Banking



“It’s about understanding your full digital landscape and having the right solutions in place to be able to protect yourself. Financial crime is recognized in our industry as a material Risk and we’re being acknowledged for the business impact that implementing RSA solutions has made.”

- Josie Francese, Manager of Financial Crime

Issue

- Web threats
- Multi-Cloud Visibility
- Compliance

Solution

- RSA Fraud
- Risk Intelligence Suite
- RSA Archer Suite

Outcome

- Full visibility of customer transactions, with rules for cross-checking unusual activity.
- Clear accountability to frontline management concerning risks and controls.
- Accelerated and accurate reporting to executives and regulators.

RSA®

BUSINESS-DRIVEN SECURITY™

PROTECT YOUR DIGITAL FUTURE

A unified approach to
advanced security
operations & integrated risk
management

RSA Archer Suite

Proven integrated risk management

RSA Netwitness Platform

Evolved SIEM & advanced threat
defense

Figure 1. Magic Quadrant for Security Information and Event Management



These graphics were published by Gartner, Inc. as part of a larger research document and should be evaluated in the context of the entire document. The Gartner document is available upon request from RSA.

Gartner does not endorse any vendor, product or service depicted in its research publications and does not advise technology user to select only those vendors with the highest ratings or other designation. Gartner research publications consist of the opinions of Gartner's research organization and should not be construed as statements of fact. Gartner disclaims all warranties, expressed or implied, with respect to this research, including any warranties of merchantability or fitness for a particular purpose.



BUSINESS-DRIVEN SECURITY™

PROTECT YOUR DIGITAL FUTURE

A unified approach to
advanced security
operations & integrated risk
management

RSA Archer Suite

Proven integrated risk management

RSA NetWitness Platform

Evolved SIEM & advanced threat
defense

SECURE USER ACCESS & PREVENT FRAUD

In Today's Digitally
Connected, Multi-Cloud,
Omni-Channel World

RSA Fraud & Risk Intelligence Suite

Omni-Channel Fraud Prevention

RSA SecurID Suite

Secure Access
Transformed

50M+
Consumers
Identities

The background features a complex network of white lines forming a 3D cube-like structure. Scattered throughout are various dark grey circular icons containing white symbols: a shopping cart, a person silhouette, a document with a checkmark, and a smartphone. The overall theme is digital security and consumer identity.



BUSINESS-DRIVEN SECURITY™

PROTECT YOUR DIGITAL FUTURE

A unified approach to
advanced security
operations & integrated risk
management

RSA Archer Suite

Proven integrated risk management

RSA NetWitness Platform

Evolved SIEM & advanced threat
defense

SECURE USER ACCESS & PREVENT FRAUD

In Today's Digitally
Connected, Multi-Cloud,
Omni-Channel World

RSA Fraud & Risk Intelligence Suite

Omni-Channel Fraud Prevention

RSA SecurID Suite

Secure Access
Transformed

CREATE A TAILORED PLAYBOOK

To Assess, Quantify and
Mature your Digital Risk
Program Over Time

RSA Risk Frameworks

Roadmaps & Strategy
for Digital Risk Maturity

RSA Risk & Cybersecurity Practice

Expert Consulting Services